

WHAT IS CLAIMED IS:

- 5 1. Isolated DNA encoding the *Sbf*I restriction
endoneuclease, wherein the isolated DNA is obtainable from
Streptomyces species Bf-61.
- 10 2. A recombinant DNA vector comprising a vector into
which a DNA segment encoding the *Sbf*I restriction endoneuclease
has been inserted.
- 15 3. Isolated DNA encoding the *Sbf*I restriction
endoneuclease and *Sbf*I methylase, wherein the isolated DNA is
obtainable from ATCC No. PTA-5371.
4. A vector which comprises the isolated DNA of claim 3.
5. A host cell transformed by the vector of claim 2 or 4.
- 20 6. A method of producing recombinant *Sbf*I restriction
endoneuclease comprising culturing a host cell transformed with
the vector of claims 2 or 4 under conditions suitable for
expression of said endoneuclease.